

INTERNATIONAL SEARCH REPORT

International Application No

PCT/FR 03/03867

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01L21/18 H01L21/762

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 889 509 A (HARRIS CORP) 7 January 1999 (1999-01-07) abstract; claims; figures	1, 2, 4, 15-17, 19, 32, 34, 35, 37
Y	US 5 138 422 A (KUROYANAGI SUSUMU ET AL) 11 August 1992 (1992-08-11) abstract; claims; figures	1, 2, 4, 15-17, 19, 32, 34, 35, 37
A	FR 2 819 099 A (COMMISSARIAT ENERGIE ATOMIQUE) 5 July 2002 (2002-07-05) abstract; claims; figures -/-	1, 2, 4, 15-17, 19, 32, 34, 35, 37

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

21 May 2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 920 396 A (SHINOHARA TOSHIRO ET AL) 24 April 1990 (1990-04-24) abstract; claims; figure 4 ----	1,2,4, 15-17, 19,32, 34,35,37
A	US 5 661 316 A (VANDERWATER DAVID A ET AL) 26 August 1997 (1997-08-26) cited in the application abstract; claims; figures ----	1,2,4, 15-17, 19,32, 34,35,37
A	US 2001/007367 A1 (OHKUBO YASUNORI) 12 July 2001 (2001-07-12) abstract; claims; figures ----	1,27-31
A	US 6 013 954 A (HAMAJIMA TOMOHIRO) 11 January 2000 (2000-01-11) abstract; claims; figures -----	1,32

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International Application No

PCT/FR 03/03867

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0889509	A	07-01-1999	US 6054369 A EP 0889509 A2 JP 11040633 A	25-04-2000 07-01-1999 12-02-1999
US 5138422	A	11-08-1992	JP 1112746 A JP 2775738 B2 JP 1144665 A JP 2794702 B2 US 4963505 A	01-05-1989 16-07-1998 06-06-1989 10-09-1998 16-10-1990
FR 2819099	A	05-07-2002	FR 2819099 A1 EP 1346402 A1 WO 02054466 A1	05-07-2002 24-09-2003 11-07-2002
US 4920396	A	24-04-1990	JP 63254762 A	21-10-1988
US 5661316	A	26-08-1997	US 5783477 A EP 0664557 A2 JP 7221023 A	21-07-1998 26-07-1995 18-08-1995
US 2001007367	A1	12-07-2001	JP 2001196566 A FR 2806528 A1 TW 483055 B US 2004007739 A1	19-07-2001 21-09-2001 11-04-2002 15-01-2004
US 6013954	A	11-01-2000	NONE	